

XX	Oligonucleotide D1835.
DE	
XX	Electron-transfer group; ETW; mismatch; genotyping;
KW	gene expression; ss.
KW	
XX	Synthetic.
OS	
XX	WO200107665-A2.
PN	
XX	01-FEB-2001.
PD	
XX	26-JUL-2000; 2000WO-US20476.
PF	
XX	26-JUL-1999; 99US-0145695.
PR	
XX	17-MAR-2000; 2000US-0190259.
PR	
XX	(CLIN-) CLINICAL MICRO SENSORS INC.
PA	
XX	
XX	Unex RM;
PI	
XX	WPI: 2001-159728/16.
DR	
XX	
PT	Nucleic acids containing electron-transfer group, useful as labels in
PT	hybridization assays, e.g. for genotyping, allowing repeat analyses on
PT	a single surface
XX	
XX	
SS	Example 6; Page 127; 159pp; English.
XX	
CC	The present invention relates to a composition comprising two nucleic
CC	acids each containing an electron-transfer group (ETW) having
CC	different redox potentials. The invention is used for electronic
CC	detection of nucleic acids, especially of substitutions (mismatches)
CC	and single-nucleotide polymorphisms, e.g. for genotyping,
CC	monitoring gene expression.
CC	
XX	
XX	Sequence 936 BP; 4 A; 139 C; 10 G; 7 T; 776 other;
XX	

[illegible][illegible]

Sequence	Position	Label	Group	Analysis
AAAF58254/C	1D	AAAF58254 standard; DNA; 936 BP.		
AAAF58254; 24-APR-2001 (first entry)	AC	AAAF58254; 24-APR-2001 (first entry)		
Oligonucleotide D1875.	DT	Oligonucleotide D1875.		
Electron-transfer group; ETM; mismatch; genotyping; gene expression; ss.	DE	Electron-transfer group; ETM; mismatch; genotyping; gene expression; ss.		
Synthetic.	XX	Synthetic.		
WO200107665-A2.	OS	WO200107665-A2.		
01-FEB-2001.	PN	01-FEB-2001.		
26-JUL-2000; 2000WO-US20476.	PD	26-JUL-2000; 2000WO-US20476.		
26-JUL-1999; 99US-0145695.	XX	26-JUL-1999; 99US-0145695.		
17-MAR-2000; 2000US-0130259.	XX	17-MAR-2000; 2000US-0130259.		
(CLIN-) CLINICAL MICRO SENSORS INC.	XX	(CLIN-) CLINICAL MICRO SENSORS INC.		
Umek RM;	PA	Umek RM;		
WPI; 2001-159728/16.	PI	WPI; 2001-159728/16.		
Nucleic acids containing electron-transfer group, useful as labels in hybridization assays, e.g. for genotyping, allowing repeat analyses on a single surface	DR	Nucleic acids containing electron-transfer group, useful as labels in hybridization assays, e.g. for genotyping, allowing repeat analyses on a single surface		
Example 6; Page 127; 159pp; English.	XX	Example 6; Page 127; 159pp; English.		
The present invention relates to a composition comprising two nucleic acids each containing an electron-transfer group (ETM) having different redox potentials. The invention is used for electronic detection of nucleic acids, especially of substitutions (mismatches) and single-nucleotide polymorphisms, e.g. for genotyping, monitoring gene expression.	XX	The present invention relates to a composition comprising two nucleic acids each containing an electron-transfer group (ETM) having different redox potentials. The invention is used for electronic detection of nucleic acids, especially of substitutions (mismatches) and single-nucleotide polymorphisms, e.g. for genotyping, monitoring gene expression.		
Sequence 936 BP; 4 A; 144 C; 7 G; 5 T; 776 other;	XX	Sequence 936 BP; 4 A; 144 C; 7 G; 5 T; 776 other;		

Query Match 8.6%; Score 149; DB 22; length 936;
Best Local Similarity 1.0%; Pred. No. 3e-25;
Matches 8; Conservative 503; Mismatches 268; Indels 0; Gaps 0;

[illegible][illegible]

Query Match	8.4%	Score 145.2	DB 22	Length 936
Similarity	0.8%	Pred. No. 2.3e-24		
Best Local				
Matches	6	Conservative 501	Mismatches 269	Indels 0
				Gaps 0

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ID AAF58254 standard; DNA; 936 BP.

AA AAF58254;
AC

DT 24-APR-2001 (first entry)

DE Oligonucleotide D1875.

KW Electron-transfer group; ETM; mismatch; genotyping;

KW gene expression; ss.

AA
OS Synthetic.

PN WO2001.07665-A2.

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XX 01-FEB-2001.
PD 26-JUL-2000; 2000MO-US20476.
PE 26-JUL-1999; 99US-0145695.
PR 17-MAR-2000; 2000US-0190259.
XX (CLIN-) CLINICAL MICRO SENSORS INC.
PA Umek RM;
PI WPI: 2001-159728/16.
DR Nucleic acids containing electron-transfer group, useful as labels in
XX hybridization assays, e.g. for genotyping, allowing repeat analyses on
XX a single surface.
XX Example 6; Page 127; 159pp; English.
XX The present invention relates to a composition comprising two nucleic
XX acids each containing an electron-transfer group (ETM) having
XX different redox potentials. The invention is used for electronic
XX detection of nucleic acids, especially of substitutions (mismatches)
XX and single-nucleotide polymorphisms, e.g. for genotyping,
XX monitoring gene expression.
XX Sequence 936 BP; 4 A; 144 C; 7 G; 5 T; 776 other;
SQ

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Query Match 8.4%; Score 145.2; DB 22; Length 936;
Best Local Similarity 0.8%; Pred. No. 2.3e-24;

Matches 6; Conservative 501; Mismatches 269; Indels 0; Gaps 0;

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OY 954 aaaaagtaagatcttttgcataaggttaagtaacccataaatgttacaacg 1013
DB 12 www. .... 71
OY 1014 cggagaagaagaacaatacacaacatctcttttttacaagaatcagagcggttg 1073
DB 72 www. .... 131
OY 1074 attatacagctgttgcatacctcgtgaagatcgttcgagtgagaga 1133
DB 132 www. .... 191
OY 1134 gcatgacagtgacaaagtgctgttgaggagagatgttgatcgttcgagtgag 1193
DB 192 www. .... 251
OY 1194 gagataaagaagaagaacacatgaaggtttgatcatcgtggaagtatgttgaggagt 1253
DB 252 www. .... 311
OY 1254 gtgagattagtaatgttgcctttaaagcccttttgcatatacaagaagcttcctttga 1313
DB 312 www. .... 371
OY 1314 gactcattatcctctgaaggtacatacactcgagattcgagtaattcttctctag 1373
DB 372 www. .... 431
OY 1374 gtggcaaaatcaaccccttttccatctcgtcttgagcgttgagaaataacataa 1433
DB 432 www. .... 491
OY 1434 gccaaactcagaagggttaataagactactgtagtttagggagatcgtgaagaacgcg 1493
DB 492 www. .... 551
OY 1494 tggagtgaaacccaataacacagatttctaagtagtgtagtagtaaaatttga 1553
DB 552 www. .... 611

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OY 1554 tggtagaagaacaatatgaaaggtatgaattcatgtttttgtttactatg 1613
DB 612 www. .... 671
OY 1614 atataagttttaaatlttaacataagagactaggttgatagatataag 1673
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DB 732 www. .... 787

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RESULT 10
AAFS8257
ID AAF58257 standard; DNA; 936 BP.

AAFS8257;

24-APR-2001 (first entry)

Oligonucleotide D1954.

Electron-transfer group; ETM; mismatch; genotyping;

gene expression; ss.

Synthetic.

WO200107665-A2.

01-FEB-2001.

26-JUL-2000; 2000MO-US20476.

26-JUL-1999; 99US-0145695.

17-MAR-2000; 2000US-0190259.

(CLIN-) CLINICAL MICRO SENSORS INC.

Umek RM;

WPI: 2001-159728/16.

Nucleic acids containing electron-transfer group, useful as labels in

hybridization assays, e.g. for genotyping, allowing repeat analyses on

a single surface.

Example 6; Page 127; 159pp; English.

The present invention relates to a composition comprising two nucleic

acids each containing an electron-transfer group (ETM) having

different redox potentials. The invention is used for electronic

detection of nucleic acids, especially of substitutions (mismatches)

and single-nucleotide polymorphisms, e.g. for genotyping,

monitoring gene expression.

Sequence 936 BP; 5 A; 142 C; 7 G; 6 T; 776 other;

Query Match 8.4%; Score 145.2; DB 22; Length 936;

Best Local Similarity 0.8%; Pred. No. 2.3e-24;

Matches 6; Conservative 501; Mismatches 269; Indels 0; Gaps 0;

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OY 954 aaaaagtaagatcttttgcataaggttaagtaacccataaatgttacaacg 1013
DB 12 www. .... 71
OY 1014 cggagaagaagaacaatacacaacatctcttttttacaagaatcagagcggttg 1073
DB 72 www. .... 131
OY 1074 attatacagctgttgcatacctcgtgaagatcgttcgagtgagaga 1133

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[illegible][illegible]

XX Sequence 938 BP; 4 A; 144 C; 9 G; 5 T; 776 other;
SQ

Query Match 8.4%; Score 145.2; DB 22; Length 938;
Best Local Similarity 0.8%; Pred. No. 2,3e-24;
Matches 6; Conservative 501; Mismatches 269; Indels 0; Gaps 0;

OY 954 aaagtaagattttttgcatagggtaagtaacccaataattgtataacg 1013
DB 12 www. 71
OY 1014 cggagaaggaacaatacaaccctcttttacaagatcacgagcgltgg 1073
DB 72 www. 131
OY 1074 attataacgcgtgttgcattcaactcgtaacatgccacggtagtcgagaga 1133
DB 132 www. 191
OY 1134 ggaagcagttgaacaagtggttgaggagagattgtgatalcgttgcgtggaag 1193
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DB 252 www. 311
OY 1254 gtggaattagaatgcttgaagcccttgcattcacaaagtaagcttcttga 1313
DB 312 www. 371
OY 1314 gactcatatcctctgaagcatalcaactcgaggttcgagtaattcttctctag 1373
DB 372 www. 431
OY 1374 gtggcaaatcaacccttctcctcgtctggtgagtaaaatacaata 1433
DB 432 www. 491
OY 1434 gccaaactcgaaggtaattgaagacttagttaggaggagctgaagaacgcg 1493
DB 492 www. 551
OY 1494 tggagtgtaaaacccaataacacgaatttctaagaagtgtagtagaatttga 1553
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OY 1614 atatgaatgctttaaaatttaacataaggagtagttagatataagattaaag 1673
DB 672 www. 731
OY 1674 ttactagctcttgataacgaagatctgataactattttattttaata 1729
DB 732 www. 787

RESULT 14

AAC45745
ID AAC45745 standard; DNA; 1602 BP.

AC AAC45745;

DT 18-OCT-2000 (first entry)

DE Arabidopsis thaliana DNA fragment SEQ ID NO: 47609.

XX Hybridisation assay; genetic mapping; gene expression control;

KW protein identification; signal transduction pathway;

KW metabolic pathway; promoter; termination sequence; ss.

OS Arabidopsis thaliana.

PN EPI033405-A2.

XX 06-SEP-2000.

PF 25-FEB-2000; 2000EP-0301439.

XX 25-FEB-1999; 99US-0121825.
XX 05-MAR-1999; 99US-0123180.
XX 09-MAR-1999; 99US-0123548.
XX 23-MAR-1999; 99US-0125788.
XX 25-MAR-1999; 99US-0126264.
XX 29-MAR-1999; 99US-0126785.
XX 01-APR-1999; 99US-0127462.
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XX 08-APR-1999; 99US-0128714.
XX 16-APR-1999; 99US-0129845.
XX 19-APR-1999; 99US-0130077.
XX 21-APR-1999; 99US-0130447.
XX 23-APR-1999; 99US-0130510.
XX 23-APR-1999; 99US-0130891.
XX 28-APR-1999; 99US-0131449.
XX 30-APR-1999; 99US-0132048.
XX 04-MAY-1999; 99US-0132407.
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XX 18-JUN-1999; 99US-0139454.
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XX 18-JUN-1999; 99US-0139750.
XX 21-JUN-1999; 99US-0139817.
XX 22-JUN-1999; 99US-0139899.
XX 23-JUN-1999; 99US-0140353.
XX 23-JUN-1999; 99US-0140354.
XX 24-JUN-1999; 99US-0140695.

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PR 28-JUN-1999; 99US-0140823.
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PR 30-JUN-1999; 99US-0141287.
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PR 03-AUG-1999; 99US-0147038.
PR 04-AUG-1999; 99US-0147204.
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PR 05-AUG-1999; 99US-0147303.
PR 06-AUG-1999; 99US-0147416.
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PR 13-AUG-1999; 99US-0148565.
PR 13-AUG-1999; 99US-0148684.
PR 16-AUG-1999; 99US-0149358.
PR 17-AUG-1999; 99US-0149175.
PR 18-AUG-1999; 99US-0149426.
PR 20-AUG-1999; 99US-0149723.
PR 20-AUG-1999; 99US-0149729.
PR 23-AUG-1999; 99US-0149902.
PR 23-AUG-1999; 99US-0149930.
PR 23-AUG-1999; 99US-0150566.
PR 26-AUG-1999; 99US-0150884.
PR 27-AUG-1999; 99US-0151065.
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PR 27-AUG-1999; 99US-0151080.
PR 30-AUG-1999; 99US-0151303.
PR 31-AUG-1999; 99US-0151438.
PR 01-SEP-1999; 99US-0151930.
PR 07-SEP-1999; 99US-0152363.

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PR 10-SEP-1999; 99US-0153070.
PR 13-SEP-1999; 99US-0153758.
PR 15-SEP-1999; 99US-0154018.
PR 16-SEP-1999; 99US-0154039.
PR 20-SEP-1999; 99US-0154779.
PR 22-SEP-1999; 99US-0155139.
PR 23-SEP-1999; 99US-0155466.
PR 23-SEP-1999; 99US-0155659.
PR 24-SEP-1999; 99US-0156458.
PR 28-SEP-1999; 99US-0156596.
PR 29-SEP-1999; 99US-0157117.
PR 04-OCT-1999; 99US-0157753.
PR 05-OCT-1999; 99US-0157865.
PR 06-OCT-1999; 99US-0158029.
PR 07-OCT-1999; 99US-0158232.
PR 08-OCT-1999; 99US-0158369.
PR 12-OCT-1999; 99US-0159293.
PR 13-OCT-1999; 99US-0159294.
PR 13-OCT-1999; 99US-0159329.
PR 14-OCT-1999; 99US-0159330.
PR 14-OCT-1999; 99US-0159331.
PR 14-OCT-1999; 99US-0159637.
PR 14-OCT-1999; 99US-0159638.
PR 18-OCT-1999; 99US-0159584.
PR 21-OCT-1999; 99US-0160741.
PR 21-OCT-1999; 99US-0160767.
PR 21-OCT-1999; 99US-0160770.
PR 21-OCT-1999; 99US-0160814.
PR 21-OCT-1999; 99US-0160815.
PR 22-OCT-1999; 99US-0160980.
PR 22-OCT-1999; 99US-0160981.
PR 22-OCT-1999; 99US-0160989.
PR 25-OCT-1999; 99US-0161404.
PR 25-OCT-1999; 99US-0161405.
PR 25-OCT-1999; 99US-0161406.
PR 26-OCT-1999; 99US-0161359.
PR 26-OCT-1999; 99US-0161360.
PR 26-OCT-1999; 99US-0161361.
PR 28-OCT-1999; 99US-0161920.
PR 28-OCT-1999; 99US-0161992.
PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

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Query Match 7.7%; Score 133.6; DB 21; Length 1602;
 Best Local Similarity 52.2%; Pred. No. 1.3e-21;
 Matches 448; Conservative 0; Mismatches 389; Indels 21; Gaps 6;

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QY 560 ccttcataaggttaccatcaaccgctaaccgatttagagcattaaagcgt 619
    ||| | | | | | | | | | | | | | | | | | | | | | | | | |
DB 742 ccttactcaagttcgcacttcacgagatcaagcattccgaagctttcaagg 801
QY 620 aatcatcaagcatcacatcgttattcgacattaaacggggttcaatggcaccg 679
    || | | | | | | | | | | | | | | | | | | | | | | | | |
DB 802 aagaaaagag---ttcagttcatgtatttcctatgaagtcattcaatggcggcg 858
QY 680 ttaatgcaagcactagctgattaccctgtcccatctt---cgaataccgtaact 736
    || |||| | | | | | | | | | | | | | | | | | | | | | |
DB 859 cttaatgcaagccttgctgcttcgacctgtgtccctctgtttccggttaaccggaatt 918
QY 737 gg---aaatgacctgataccctcgtagaagcgtgacgtttagctaaattgtctaac 793
    || | | | | | | | | | | | | | | | | | | | | | | | | |
DB 919 ggtccacggcagcagatcaatttcgattatctctcatgaagtgtgggtgaagctgtcatt 978
QY 794 tcaatgggttagattcaattcaattccctcttatataaccaataaacaagattac 853
    || | | | | | | | | | | | | | | | | | | | | | | | | |
DB 979 ttacgtgagcgaga---ttacgttgagttgtagtacaagagattgtgtgtaacctta 1035
QY 854 gatgaagatccctctatttctccatctgtaaccactcccgatgaacaacctagctatc 913
    || | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1036 gctgattcttgatgttcgagcttgagcttagaaccagtgagattgattctgttgcggtt 1095

```


